

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

- 1-13 (cancelled).
14. (new) Method for creating a map of available physical resources on the interface level within an IP network, by performing the steps of:
- combining* (303) a topology map of said IP network with resource information that comprises information about identities of logical addresses and quantity of logical addresses, the method is **characterised** in the further step of:
 - performing* (304) a mapping between said logical addresses and a physical interface within said IP network.
15. (new) Method according to claim 14, wherein the topology map is obtained by a topology aware resource manager.
16. (new) Method according to claim 14, wherein the mapping is performed by collecting information from network elements, e.g. routers by using SNMP.
17. (new) Method according to claim 14, wherein said mapping is performed by a resource manager.
18. (new) Method according to claim 17, wherein said resource manager is implemented within a router or a server.

19. (new) Method according to claim 14, wherein said logical address is an IP address.
20. (new) A computer program product directly loadable into a server and/or a router within an IP network comprising the software code portions for performing the steps of claim 14.
21. (new) A computer program product stored on a computer usable medium, comprising readable program for causing a processing means within a server and/or a router within an IP network to control the execution of the steps of claim 14.
22. (new) Resource manager for creating a map of available physical resources on the interface level within an IP network, comprising means (502) for combining a topology map of said IP network with resource information that comprises information about identities of logical addresses and quantity of logical addresses, the resource manager is **characterised** in that it further comprises means (504) for performing a mapping between said logical addresses and a physical interface within said IP network.
23. (new) Resource manager according to claim 22, wherein it further comprises means for creating a topology map.
24. (new) Resource manager according to claim 22, wherein the resource manager further comprises means for obtaining the physical resource information by collecting information from network elements, e.g. routers by using SNMP.
25. (new) Resource manager according to claim 22, wherein said resource manager is implemented within a router or a server.

26. (new) Resource manager according to claim 22, wherein
said logical address is an IP address.